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ABSTRACT

This information booklet on vocational education in Denmark begins with a listing of the eight fields of study into which vocational education is divided. These fields are (1) the construction industry; (2) the graphic industries; (3) commerce, clerical trades, and public administration; (4) the iron and metal industries; (5) agriculture, horticulture, and forestry; (6) transports; (7) the food industries; and (8) the service tredes. A discussion follows of the two ways in which the education and training in these fields can be received: apprenticeship (L) training and basic vocational education (EFG). Both L and EFG training within the eight fields of study are then described, including: subjects taken during the basic year (first part) in EFG, a diagram illustrating the structure of the EFG basic year, and a list of second part courses that denotes whether or not the course is offered by the basic vocational training, apprenticeship training, or both. (YLB)

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EDUCATION *in* DENMARK

ED235348

VOCATIONAL EDUCATION AND TRAINING IN DENMARK

(Professions/trades)

U.S. DEPARTMENT OF EDUCATION
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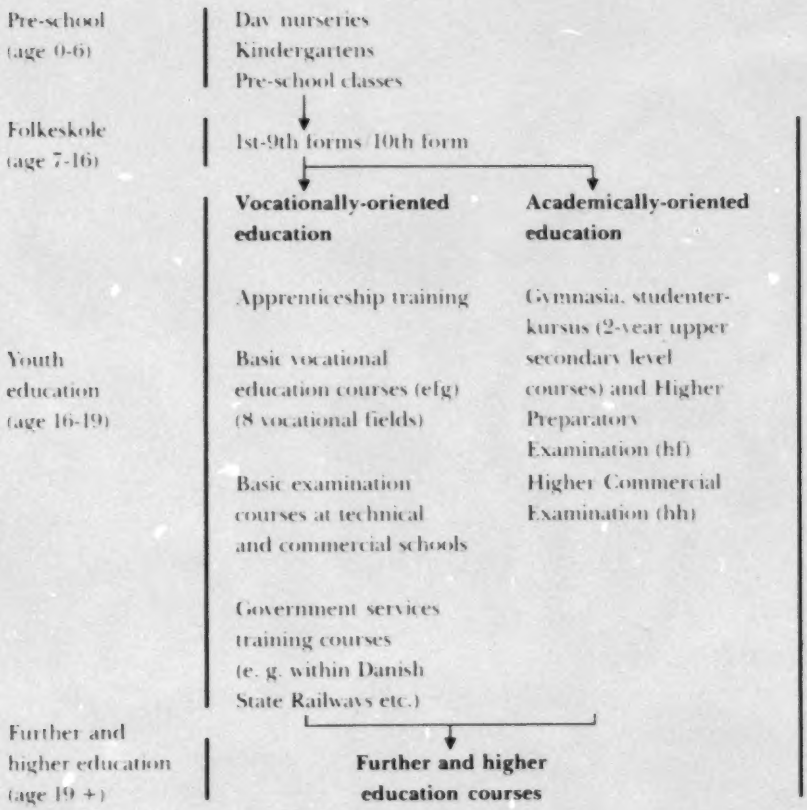
Ministry of Education
1983

Educational provision in Denmark



VOCATIONAL EDUCATION AND TRAINING IN DENMARK

Vocational education in Denmark is divided into eight main fields:

1. Construction Industry
2. Graphic Industries
3. Commerce, Clerical Trades and Public Administration
4. Iron and Metal Industries
5. Agriculture, Horticulture and Forestry
6. Transports
7. Food Industries
8. Service Trades

There are two ways in which you can receive education and training within these fields:

A: Apprenticeship (L)

B: Basic vocational Education (EFG)

The duration of Apprenticeship Training is between two and four years. Admission requirements: nine years of compulsory schooling. Training takes place in a firm and at school alternately (technical schools, commercial schools or other specialized schools) with a fixed number of weeks of instruction per year (day classes).

When the apprentice has completed his training, he is awarded a certificate after having passed his journeyman's test.

The duration of Basic Vocational Education (EFG) is between three and five years. Admission requirements: 9 years of compulsory schooling. Education within each of the main fields of trade is initiated with a basic course (first part) of one year's duration.

This basic year is spent at vocationally oriented schools (technical schools, commercial schools or other specialized schools) and the instruction is divided into three subject areas:

I.	Special subjects:	Practical training in school workshops and lessons in vocational theory of the field of education chosen.
II.	Common core subjects:	Subjects studied by all students e.g. Danish, foreign languages, sports, mathematics, social studies and management studies (the commercial schools do not distinguish between special subjects and common core subjects).
III.	Optional subjects:	Subjects chosen by the students. The number of subjects and disciplines varies from one school to another and may comprise: creative art, photography, foreign languages, sports, mathematics and psychology.

A vocational leaving examination, an advanced vocational leaving examination, as well as the Higher Preparatory Examination (HF) may be passed in some of these subjects.

After the basic course, one out of a number of different second part courses can be selected. The duration of the second part education is mostly between two and four years (in addition to the basic year).

The education takes place in a firm and at school alternately. It is possible to complete the education with a vocational test in some subjects. A diploma will be issued on completion of the education.

The trades and professions within each of the main fields are listed below of the Basic Vocational Education and as well as the Apprenticeship Training.

(As not all trades/professions are offered by the Basic Vocational Training and the Apprenticeship Training, an 'EFG' or an 'L' has been shown in brackets behind each trade/profession, denoting Basic Vocational Education and Apprenticeship Training, respectively).

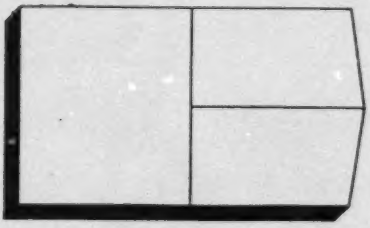
EXPLANATION OF THE DIAGRAMS ILLUSTRATING THE STRUCTURE OF THE EFG BASIC YEAR

Basic year:

A vertical line indicates the passing from one level of the basic education to another.

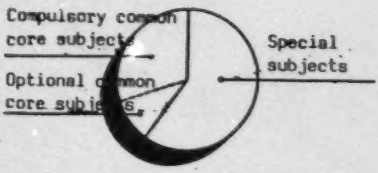
A fat horizontal line indicates the selection of a branch.
The student starts specialization in preparation for specific second part courses.

A thin horizontal line indicates that a special line of study has been chosen. This implies a certain specialization, without limiting subsequent educational options during second part courses.



1. CONSTRUCTION INDUSTRY

The basic year (EFG) = 40 weeks

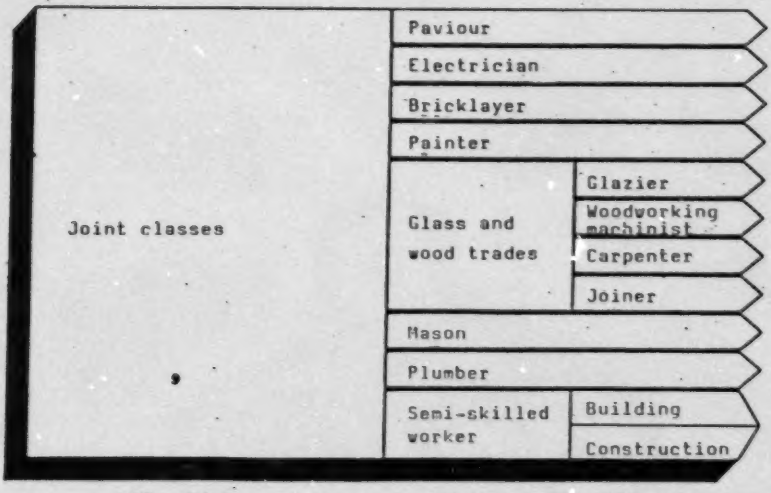


1. Special subjects 60%
2. Compulsory common core subjects 30%
3. Optional common core subjects 10%

During the first twenty weeks all students receive the same compulsory education.

Then, the students choose a branch aiming at specific second part courses.

Basic year = first part

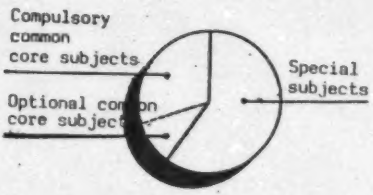


Second part courses in the field of construction industry (EFG), and the corresponding professions within the apprenticeship training (L):

Paviour	(EFG, L)
Electrician	(EFG, L)
Industrial electrician	(EFG)
Bricklayer	(EFG, L)
Housepainter	(EFG, L)
Sign writer	(EFG, L)
Coach painter	(EFG, L)
Glazier	(EFG, L)
Carpenter	(EFG, L)
Cabinetmaker	(EFG, L)
Woodworking machinist/wood turner	(EFG, L)
Industrial carpenter	(L)
Joiner	(EFG, L)
Mason	(EFG, L)
Gas fitter and plumber	(EFG)
Plumber	(EFG)
Building plumber	(L)

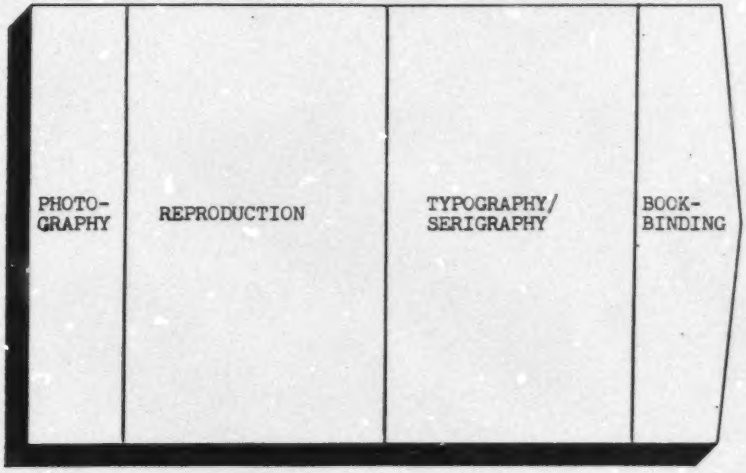
2. GRAPHIC INDUSTRIES

The basic year (EFG) = 40 weeks



1. Special subjects 60%
2. Compulsory common core subjects 30%
3. Optional common core subjects 10%

Basic year = first part



20 weeks 20 weeks

Second part courses in the field of graphic industries (EFG), and the corresponding professions within the apprenticeship training (L):

Specialist photographer	(EFG)
Reproduction photographer	(EFG)
Reproduction copying clerk	(EFG)
Offset printer	(EFG)
Typographical technician	(EFG, L)
Printing technician	(EFG, L)
Serigrapher	(EFG)
Bookbinder	(EFG, L)

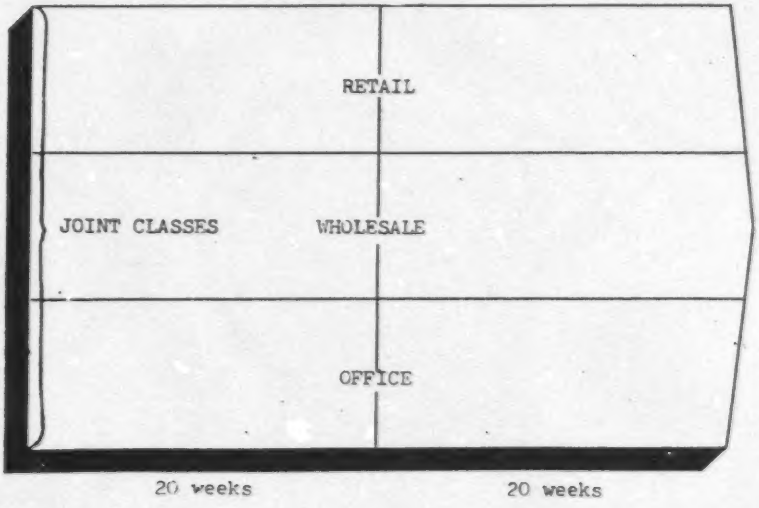
3. COMMERCE, CLERICAL TRADES AND PUBLIC ADMINISTRATION

The basic year (EFG) = 40 weeks

During all 40 weeks the students take part in the same compulsory instruction within their main field of interest.

During the last 20 weeks it is possible to choose two optional subjects.

Basic year = first part



Second part courses in the field of commerce, clerical trades and public administration (EFG), and the corresponding branches within the apprenticeship training (L):

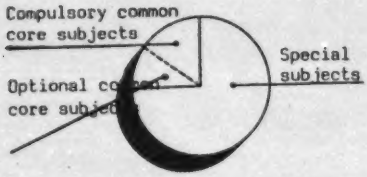
Daily running of shops	(EFG, L)
Retail of:	
Books	(EFG, L)
Photographic goods	(EFG, L)
Stationery	(EFG, L)
Hardware	(EFG, L)
Sports & camping articles	(EFG, L)
Gold & silverware	(EFG, L)
Radio & TV	(EFG, L)
Groceries	(EFG, L)
Delicatessen	(EFG, L)
Paint & wallpaper	(EFG, L)
Drysaltery	(EFG, L)
Flowers	(EFG, L)
Soaps & perfumes	(EFG, L)
Shoes	(EFG, L)
Drapery	(EFG, L)
Furniture	(EFG, L)
Electric supplies	(EFG, L)
Toys & hobby articles	(EFG, L)
Motor cars	(EFG, L)
Wine & tobacco	(EFG, L)
Decorations	(EFG)

Wholesale trade courses	(EFG, L)
Wholesale of:	
Feedstuffs	(EFG, L)
Groceries	(EFG, L)
Drapery	(EFG, L)
Timber	(EFG, L)
Tools & machines	(EFG, L)
Iron & steel products	(EFG, L)
Hardware	(EFG, L)
Motor cars & spare parts	(EFG, L)
Agricultural machines	(EFG, L)
Administrative systems	(EFG)
Clerical training in:	
All-round office work	(EFG, L)
Correspondence	(EFG)
Accounting	(EFG)
EDP	(EFG)
Tourist trade	(EFG)
Banks	(EFG)
Savings banks	(EFG)
Insurance	(EFG)
Municipal administration	(EFG)
Doctor's secretary work	(EFG)
Forwarding	(EFG)
Shipbroker's work	(EFG)
2-year EDP assistant's work	(EFG)

4. IRON AND METAL INDUSTRIES

The basic year (EFG) = 40 weeks

1. Special subjects 75%
2. Compulsory common core subjects 15%
3. Optional common core subjects 10%

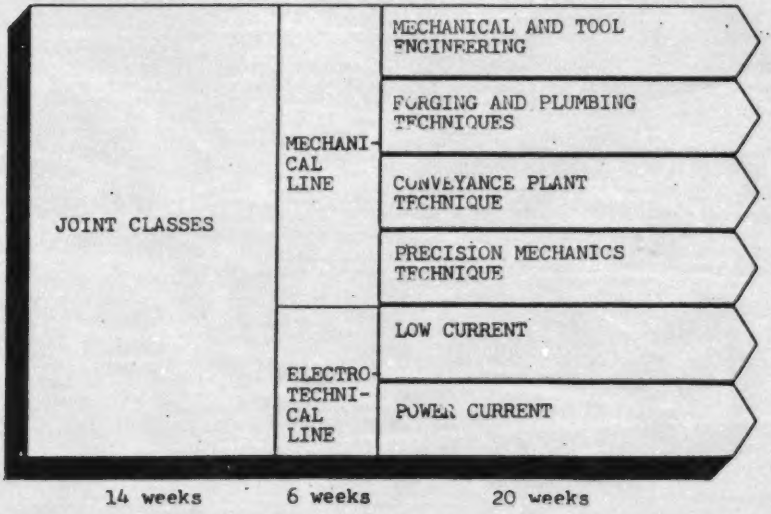


During the first 14 weeks all students take part in the same compulsory instruction.

Then the students choose between the mechanical and the electro-technical lines.

During the last 20 weeks the students specialize further within the mechanical or the electro-technical lines.

Basic year = first part



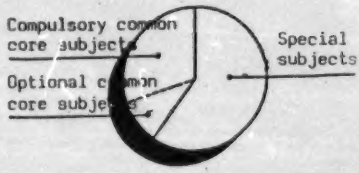
Second part courses in the field of iron and metal industries (EFG), and the corresponding professions within the apprenticeship training (L):

Machine-tool fitter	(EFG)
Toolmaker cut/punch	(EFG)
Ship's fitter	(EFG)
Locksmith	(EFG)
Moulder	(L)
Plate and construction smith	(EFG)
Building and agricultural smith	(EFG)
Industrial pipesmith	(EFG)
Shipbuilder	(EFG)
Farm machine mechanic	(EFG)
Plumber/pipesmith	(EFG)
Welder	(EFG)
Coachsmith	(EFG)
Precision mechanic	(EFG)
Business machine mechanic	(EFG)
Bench worker	(L)
Turner	(L)
Cutter	(L)
Brazier	(L)
Metal printer	(L)
Orthopedist mechanic	(L)
Armourer	(L)
Copper smith	(L)
Farrier	(L)
Ship building worker	(L)
Cooling fitter	(L)
Metal founder	(L)
Steel engraver	(L)
Piston engraver	(L)
Iron and Metal grinder	(L)

Automobile mechanic	(EFG, L)
Lorry mechanic	(EFG, L)
Body mechanic	(EFG, L)
Moped mechanic	(EFG)
Motorcycle mechanic	(EFG, L)
Aircraft-mechanic	(EFG)
Tractor mechanic	(EFG)
Automobile electrician	(L)
Business machine mechanic	(EFG, L)
Radio mechanic	(EFG, L)
Electrical engineer	(EFG, L)
Electronics mechanic	(EFG, L)
Control equipment mechanic	(EFG)
Electrician	(EFG)
Industrial electrician	(EFG)

5. AGRICULTURE, HORTICULTURE AND FORESTRY

The basic year (EFG) = 40 weeks

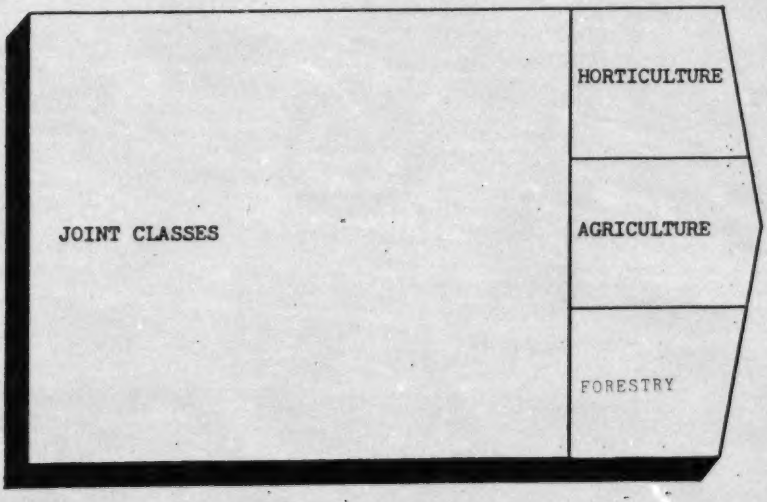


1. Special subjects 60%
2. Compulsory common core subjects 30%
3. Optional common core subjects 10%

During the first 30 weeks, all students take part in the same compulsory subjects.

Then, the students will choose their speciality between three main fields of interest.

Basic year = first part

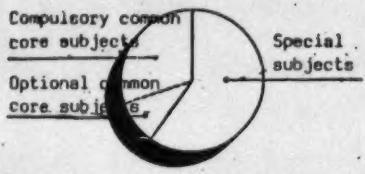


Second part courses in the field of agriculture, horticulture and forestry (EFG), and the corresponding professions within apprenticeship training (L):

Gardener	(L)
Landscape gardener	(EFG)
Outdoor gardener	(EFG)
Fruit and berry grower	(EFG)
Nursery gardener	(EFG)
Greenhouse gardener	(EFG)
Excavator driver	(EFG)
Animal farmer	(EFG)
Forester	(EFG)

6. TRANSPORT

The basic year (EFG) = 40 weeks

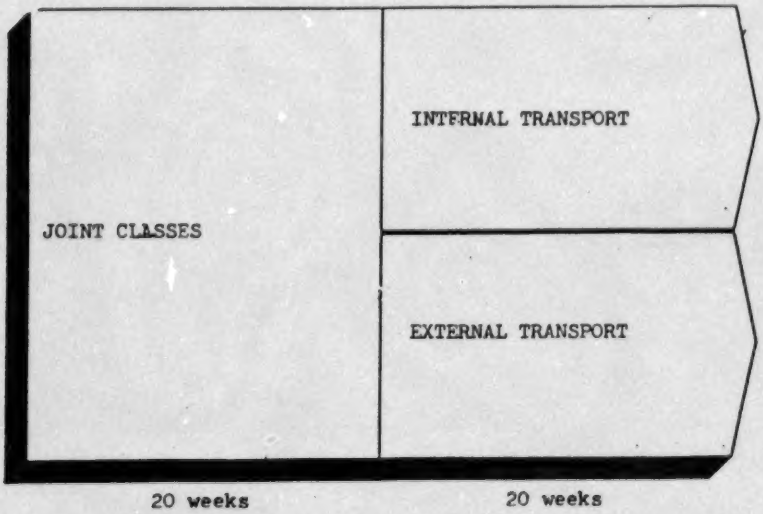


1. Special subjects 60%
2. Compulsory common core subjects 30%
3. Optional common core subjects 10%

During the first 20 weeks, all students take part in the same compulsory subjects.

Subsequently, the students will choose a branch for the last 20 weeks.

Basic year = first part



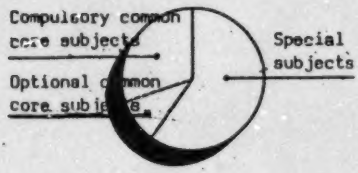
Second part courses in the field of transports (EFG).
There is no corresponding apprenticeship training.

Crane operator (mobile cranes).
Storeman and transport worker, timber and building materials.
Storeman and transport worker, plumbing and steel trades.
Storeman and transport worker, heavy goods sector.
Railway man/employee (DSB) (The Danish Railways).
Furniture remover
Long-distance truck driver.
Salvage corps man.

7. FOOD INDUSTRIES

The basic year (EFG) = 40 weeks

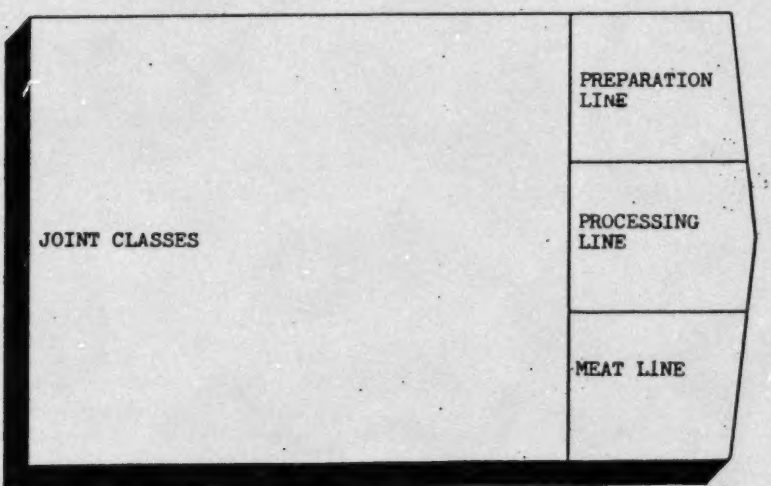
1. Special subjects 60%
2. Compulsory common core subjects 30%
3. Optional common core subjects 10%



During the first 30 weeks, all students take part in the same compulsory subjects.

The students then choose their speciality between three main fields of interest for the last 10 weeks.

Basic year = first part



Second part courses in the field of food industries (EFG), and the corresponding apprenticeship training (L):

Waiter	(EFG, L)
Cook	(EFG, L)
Cook's assistant	(EFG)
Sandwich maid	(EFG)
Canteen assistant	(EFG)
Kitchen maid	(EFG)
Baker	(EFG, L)
Confectioner	(EFG, L)
Butcher in shop	(EFG, L)
Butcher (private shopowner)	(L)
Butcher (correspondence school)	(L)
Counterman/girl	(EFG)
Dairyman	(EFG, L)
Pork butcher	(EFG, L)
Pork butcher (bacon production)	(L)
Cattle butcher	(EFG, L)
Gut cleaner	(EFG, L)
Sausage maker	(EFG, L)
Industrial sausage maker	(L)

8. SERVICE TRADES

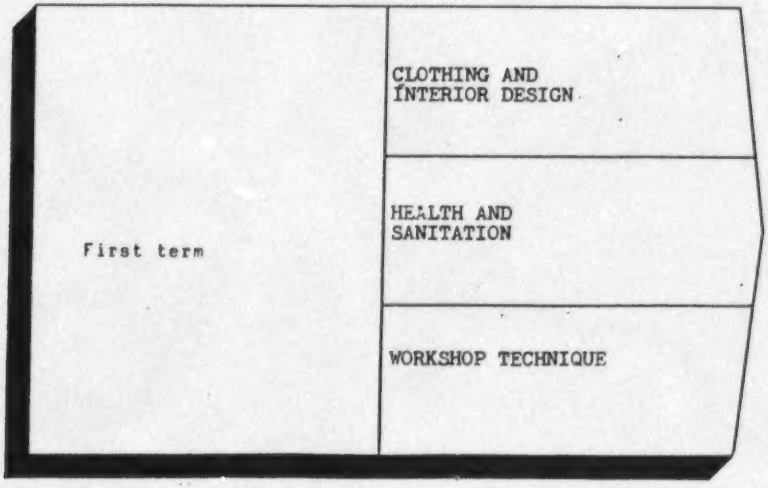
The basic year (EFG) = 40 weeks

1. Special subjects 43%
2. Compulsory common core subjects 30%
3. Optional common core subjects 10%
4. Compulsory special electives 17%

During the first 20 weeks, all students take part in the same compulsory subjects.

Then, the students choose their speciality between three main fields of interest for the last 20 weeks.

Basic year = first part



Second part courses in the field of service trades (EFG), and the corresponding apprenticeship training (L):

Milliner	(EFG, L)
Tailor	(EFG)
Closer	(L)
Furrier	(EFG, L)
Industrial furrier	(EFG)
Furriery sewer	(EFG, L)
Industrial furriery sewer	(EFG)
Industrial furniture upholsterer	(EFG)
Car upholsterer	(EFG)
Curtain decorator	(EFG)
Paperhanger	(L)
Industrial paperhanger	(L)
Shoemaker	(EFG)
Orthopedic shoemaker	(L)
Sailmaker	(L)
Chimney sweep	(L)
Hairdresser	(EFG, L)
Optician	(EFG)
Dental technician	(EFG, L)
Watchmaker	(EFG)
Glass tube blower	(EFG)
Potter	(EFG, L)
Overglaze painter	(L)

The Kingdom of Denmark

Population and area

Denmark proper 5.1 mill.
43,100 km² – 16,640 sq.m.
Greenland 50,000
2,175,600 km² – 840,000 sq.m.
The Faroe Islands 49,999
1,400 km² – 540 sq.m.

Overall State and municipal budgets for fiscal year 1982

Current expenditure 1982 price and wage level	Dkr. 1,000 Million	%
Services	155.9	61
Administration	9.8	4
Health services	25.8	10
Social welfare	29.1	11
Education and research	30.9	12
Transport, communication	16.6	6
Police and courts	4.6	2
Defence	9.5	4
Greenland and Faroe Islands	5.1	2
Other	24.5	10
Transfers and lending	99.1	39
Pensions	30.9	12
Unemployment benefits	17.5	7
Other transfers and lending	44.8	18
Transfers abroad	5.9	2
Total expenditure	255.0	100

Current income		
Personal income taxation	107.8	48
Value-added tax	45.2	20
Property taxes	9.2	4
Other taxes	36.2	16
Other income	27.7	12
Total income	226.1	100

Source: Ministry of Finance

UNDERVISNINGSMINISTERIET
KOPICENTRALEN
KØBENHAVN

This information booklet has been prepared by the Danish Ministry of Education.

The Ministry issues a number of short publications on educational matters in languages other than Danish.

A list of these publications and the publications themselves are available on request from the Ministry of Education
International Relations Division
Frederiksholms Kanal 25 D
DK-1220 Copenhagen K.